

TECHNICAL DATA SHEET



PETRAVENT

Slabs of stone wool for external and internal building objects for thermal, acoustic and fire insulation

OFFICIAL DOCUMENTATION:

Declaration of Performances
No. PTRL-DoP/MW/15/11



APPLICATION:

external facades insulated by light-dry method
(eg sheet, cladding board, siding, lining cement
and composite)

external walls with elevation of stone or glass

skeletal external and internal walls (on a
wooden and metal structure)

partition walls

curtain walls

cavity walls

FACTORY:

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PRODUCT CODE

PETRAVENT MW-EN13162-T5-DS(70,90)-CS(10)0,5-WS-WL(P)-MU1

DECLARED THERMAL CONDUCTIVITY COEFFICIENT λ_D

$\leq 0,035$ [W/mK]

DECLARED PARAMETERS

DECLARED PROPERTIES OF THE PRODUCT ACC. TO EN 13162:2012+A1:2015	SYMBOL	CLASS OR TOLERANCE	UNITS
Class for thickness tolerances	T	T5	-1 mm / +3 mm [mm]
			-1 % / +3 mm [%/mm]
Dimensional stability under 70 °C and 90% humidity	DS(70,90)	$\leq 1,0$	[%]
Compressive stress at 10% deformation	CS(10/Y)	CS(10)0,5	[kPa]
Tensile strength perpendicular to faces	TR	NPD	[kPa]
Point load at 5mm deformation	PL(5)	NPD	[N]
Short time water absorption	WS	$\leq 1,0$	[kg/m ²]
Long time water absorption	WL(P)	$\leq 3,0$	[kg/m ²]
Water vapour transmission	MU	MU1	[-]
Air flow resistivity	AFr	NPD	[kPa s/m ²]
Reaction to fire	RtF	A1	Euroclass

DECLARED THERMAL RESISTANCE R_D

d [mm]	50	80	100	120	150	200	-	-	-	-	-	-	-	-	-	-	-
R_D [m ² K/W]	1,40	2,25	2,85	3,40	4,25	5,70	-	-	-	-	-	-	-	-	-	-	-

DIMENSIONS AND PACKING

FORMAT OF PLATES			PACKAGES			PALLETS			
Length	Width	Thickness	No. of plates in a package	Cover surface of a package	Volume of a package	No. of plates on a pallet	Cover surface of plates on a pallet	Volume of plates on a pallet	
[mm]	[mm]	[mm]	[pcs.]	[m ²]	[m ³]	[pcs.]	[m ²]	[m ³]	
1000	600	50	6	3,60	0,180	16	57,60	2,880	
		80	5	3,00	0,240	12	36,00	2,880	
		100	3	1,80	0,180	16	28,80	2,880	
		120	2	1,20	0,144	20	24,00	2,880	
		150	2	1,20	0,180	16	19,20	2,880	
		200	2	1,20	0,240	12	14,40	2,880	
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-